

Crash Tests

New Car Safety

Ford Mondeo

03/2007 on 01/0001 - Dual front + side + head airbags

Overall Evaluation



Overall Score

Variant: 5 dr hatch

35.13 out of 37

Engine: 2 litre diesel

Category: Large Car

The diesel left-hand-drive European model was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Ford Mondeo was introduced in Australia during 2007. This updated ANCAP rating applies to all Mondeo variants, including the wagon and all engines.

Dual front airbags, side airbags, head-protecting side curtains and a driver knee airbag are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to both front seats.

Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. A horizontally stroking steering column is designed to reduce injury risk. A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt.

Overall Evaluation: 5

5 Stars. The Ford Mondeo scored 15.32 out of 16 in the offset crash test. The passenger compartment held its shape well. There was a slight risk of serious chest injury for the passenger. The vehicle scored 15.81 out of 16 in the side impact crash test. There was a slight risk of serious abdomen injury for the driver. A further two points were earned in the optional pole test.

Frontal Offset Crash Test

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.72 pts, upper legs 4 pts, lower legs 3.60 pts.

The passenger compartment held its shape well in the offset crash test. The accelerator pedal moved rearwards by 35 mm and upwards 5 mm. The steering wheel hub moved 73mm forward, 6mm downward 6mm and 9mm sideways. The front ("A") pillar moved 6 mm rearwards. All doors remained closed during the crash. After the crash all doors opened with normal effort

The airbag cushioned the head of the driver and contact was stable. There were no knee hazards. The passenger's head was cushioned by the airbag.

Side Impact Crash Test

Body region scores out of 4 points each: Head 4 pts, chest 4 pts, abdomen 3.81 pts, pelvis 4 pts.

The vehicle was eligible for an optional pole impact test, since it had head-protecting side airbags and scored four points for the head in the side impact test. The manufacturer decided to go ahead with the pole test and the vehicle earned a further two points.

Pedestrian rating (v4.1)



The bumper scored maximum points for the protection offered to pedestrians' legs and the bonnet was rated as predominantly fair for its protection of children's heads. However, most of the front edge of the bonnet was rated as poor as was the bonnet in the area where an adult's head might hit.

Child head impacts	7.59
Adult head impacts	4.07
Upper leg impacts	0.01
Lower leg impacts	6
Total (out of 36)	17.67

Offset crash test at 64km/hr



Injury Measurements

Refer to the information sheet 'How the tests are done'	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test aa 50km/h (v4.1)
	Driver	Passn	Driver
Head			
- HIC	186	239	39
- Acceleration (g for 3ms)	35	40.6	22
Neck			
- Shear (kN)	0.3	0.47	
- Tension (kN)	1.02	0.9	
- Extension (Nm)	6.5	15.5	
Chest			
- Acceleration (g for 3ms)			
- Compression (mm)	19.31	23.95	16.74
- Viscous Criterion (m/s)	0.06	0.08	0.1
Abdomen			
- Force (kN)			1.07
Pelvis			
- Force (kN)			1.47
Upper Legs Force (kN)			
- Left	1.01	0.17	
- Right	1.4	0.18	
Knee Displacement (kN)			
- Left	0.4	0.1	
- Right	0.4	0.3	
Lower Legs Force (kN)			
- Left	2.44	2.08	
- Right	2.37	0.9	
Index (Upper Lower)			
- Left	0.49 0.25	0.41 0.4	
- Right	0.36 0.2	0.26 0.15	

Bonus points (maximum 5)

Pole Test: 2 points

Seat Belt Reminders: 2

Modifiers for offset test scores

Head	
Chest	
Upper leg	Variable & Conc. loading
Lower leg	
Foot score	
Structure	

No deduction
No deduction
No deduction
No deduction
4 points

Modifiers for side impact test scores

Head	
Chest	No deduction
Upper leg	
Lower leg	
Foot score	
Structure	



Version 1, Published on: 26/02/2010
Published by
New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601